RTE.	SECTI	NC	COUN	NTY	SHEETS	SHE
270 60-(1,2)L-1		2)L-1	MAC	DISON	31	2
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10/17/07 ILLINOIS DEPARTMENT OF TRANSPORTATION LUMINAIRE PERFORMANCE TABLE I-270 Mississippi River Bridge Luminaires		10/17/07 ILLINOIS DEPARTMENT OF TRANSPORTATION LUMINAIRE PERFORMANCE TABLE I-270 Roadway between River & Canal Bridges Luminaires		10/17/07 ILLINOIS DEPARTMENT OF TRANSPORTATION LUMINAIRE PERFORMANCE TABLE I-278 Canal Bridge - Pole Mounted Luminaires			10/17/07 ILLINOIS DEPARTMENT OF TRANSPORTATION LUMINAIRE PERFORMANCE TABLE I-270 Canal Bridge – Truss Mounted Luminaires		
	GIVEN CONDITIONS	GIVEN CONDITIONS			GIVEN CONDITIONS			GIVEN CONDITIONS	
	Pavement Width 24 FT Number Of Lanes 2 Median Width 6 FT IES Surface Classification R3 Q-Zero Value .07	ROADWAY DATA: Pavement Width Number Of Lanes Median Width IES Surface Classification Q-Zero Value	24 FT 2 40 FT R3 .07	ROADWAY DATA:	Pavement Width Number Of Lanes Median Width IES Surface Classification Q-Zero Value	24 FT 2 40 FT R3 .07	ROADWAY DATA:	Pavement Width Number Of Lanes Median Width IES Surface Classification Q-Zero Value	24 FT 2 N/A FT R3 .07
	Mounting Height 33 FT	LIGHT POLE DATA: Mounting Height Pole Set-Back From Edge Of Pa Aiming Angle	45 FT	LIGHT POLE DATA:	Mounting Height Pole Set-Back From Edge Of Pavemer Aiming Angle	33 FT of 6 FT 15 Degrees	LIGHT POLE DATA:	Mounting Height Mast Arm Length Pole Set-Back From Edge Of Paverne	35 FT 4 FT mt 6 FT
	Lamp Type HPS Lamp Lumens 16000 IES Vertical Distribution M IES Control Of Distribution FC IES Lateral Distribution 3 Total Light Loss Factor 0.684	LUMINAIRE DATA: Lamp Type Lamp Lumens IES Vertical Distribution IES Control Of Distribution IES Lateral Distribution Total Light Loss Factor	HPS 28000 M FC 3 0.684	LUMINAIRE DATA:	Lamp Type Lamp Lumens IES Vertical Distribution IES Control Of Distribution IES Lateral Distribution Total Light Loss Factor	HPS 16000 M FC 3 0.684	LUMINAIRE DATA:	Lamp Type Lamp Lumens IES Vertical Distribution IES Control Of Distribution IES Lateral Distribution Total Light Loss Factor	HPS 16000 M FC 3 0.684
	Spacing 240 FT Configuration STG Luminaire Overhang Over Edge FT	LAYOUT DATA: Spacing Configuration Luminaire Overhang Over Edge Of Payement Lane	280 FT STG -15 FT	LAYOUT DATA:	Spacing Configuration Luminaire Overhang Over Edge Of Pavement Lane	180 FT OPP -6 FT	LAYOUT BATA:	Spacing Configuration Luminaire Overhang Over Edge Of Pavement Lane	180 FT 1 side -2 FT
NOTE: Variations from the above specified IES distribution pattern may be requested and acceptance of variations will be subject to review by the Engineer based on how well the performance requirements are met.		NOTE: Variations from the above specified IES distribution pattern may be requested and acceptance of variations will be subject to review by the Engineer based on how well the performance requirements are met.		NOTE: Variations from the above specified IES distribution pattern may be requested and acceptance of variations will be subject to review by the Engineer based on how well the performance requirements are met.		NOTE: Variations from the above specified IES distribution pattern may be requested and acceptance of variations will be subject to review by the Engineer based on how well the performance requirements are met.			
<u>PE</u>	ERFORMANCE REQUIREMENTS	PERFORMANCE REQUIREMENTS			PERFORMANCE REQUIREMENTS			PERFORMANCE REQUIREMENTS	
NOTE: These performance requirements shall be the minimum acceptable standards of photometric performance for the luminaire, based on the given conditions listed above.		NOTE: These performance requirements shall be the minimum acceptable standards of photometric performance for the luminaire, based on the given conditions listed above.		NOTE: These performance requirements shall be the minimum acceptable standards of photometric performance for the luminaire, based on the given conditions listed above.			NOTE: These performance requirements shall be the minimum acceptable standards of photometric performance for the luminaire, based on the given conditions listed above.		
	Average Horizontal Illumination, (E _{Ave}) 0.6 fc Uniformity Ratio, (E _{Ave} /E _{Min}) 3.0	RLLUMINATION: Average Horizontal Illumination Uniformity Ratio, (E _{free} (E _{film})	1, (E _{Ave}) 0.6 fc 3.0	ILLUMINATION:	Average Horizontal Illumination, (E _{Ave} Uniformity Ratio, (E _{Ave} /E _{kin})	0.6 fc 3.0	ILLUMINATION:	Average Horizontal Illumination, (E _{fin} Uniformity Ratio, (E _{Ave} /E _{Sin})	e) 0.6 fc 3.0
	Average Luminance: (L _{Ave}) <u>6.4 Cd/m²</u> Uniformity Ratios: (L _{Ave} /L _{Atin}) <u>3.5</u> (L _{Ras} /L _{Atin}) <u>6.0</u>	LUMINANCE: Average Luminance: (L _{Ave}) Uniformity Ratios: (L _{Ave} l _{-Min}) (L _{Max} /L _{etin})	0.4 Cd/m ² 3.5 6.0	LUMINANCE:	Average Luminance: (L _{Ave}) Uniformity Ratios: (L _{Ave} L _{bkn}) (L _{Atar} L _{bkn})	0.4 Cd/m ² 2.6 6.0	LUMINANCE:	Average Luminance: (L _{Ave}) Uniformity Ratios: (L _{Ave} L _{uter}) (L _{tital} L _{uter})	0.4 Cd/m ² 3.5 6.0
	Maximum Veiling Luminance Ratio: (L./L _{Aus})	Maximum Veiling Luminance Ratio: (L _v /L _{Ave})	0.3		Maximum Veiling Luminance Ratio: (L/L _{ave})			Maximum Veiling Luminance Ratio: (L/L _{Ave})	2.3
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ILLINOIS DEPARTMENT OF TRANSPORTATION LUMINAIRE PERFORMANCE TABLES FAI ROUTE 270 SECTION 60-(1,2)L-1 MADISON COUNTY SCALE: VERT.

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